EOC-3220EXT

Outdoor Access Point / Bridge / Client Router / Repeater

DESCRIPTION

The Wireless Bridge/Client Router/Access Point/Repeater operates seamlessly in the 2.4 GHz frequency spectrum supporting the 802.11b (2.4GHz, 11Mbps) and faster 802.11g (2.4GHz, 54Mbps) wireless standards.

EOC-3220 EXT has high transmitted output power and high receivable sensitivity. High output power and high sensitivity can extend range and coverage to reduce the roaming between APs to get more stability wireless connection. It also can reduce the expense of equipment in the same environment.

To protect your wireless connectivity, it can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2/802.1x. User isolation function can protect the private network between client users. The MAC addresses filter and IP/MAC tunneling lets you select exactly which stations should have access to your network.

PACKAGE CONTENT

One Outdoor Wireless Client Bridge unit
One 48V, 0.375A AC/DC adapter
One With wall-plug power code
One Inline Power Injector (PoE)
One 1.8m Grounding Cable
One User's manual CD-ROM
One Wall mounting kit
One Mast mounting kit
One Waterproof kit

FEATURES & BENEFITS

Features	Benefits
High Output Power up to 26 dBm	Excellent output power spreads the operation distance
High Speed Data Rate Up to 54 Mbps with	High speed transmitting rate up to 54Mbps, support large payload such as MEPG video streaming
IEEE 802.11b/g Compliant	Fully Interoperable with IEEE 802.11b / IEEE802.11g compliant devices
Watertight and Weatherproof	Avoid water invaded and weather corroded for outdoor environment
Point-to-point, Point-to-multipoint Wireless Connectivity	Let users transfer data between two buildings or multiple b
Hide SSID (AP Mode)	Avoids unallowable users sharing bandwidth, increases efficiency of the network
DHCP Client/ Server	Simplifies network administration
WDS (Wireless Distributed System)	Make wireless AP and Bridge mode simultaneously as a wireless repeater
Universal Repeater	The easiest way to expand your wireless network's coverage
WPA2/WPA/ IEEE 802.1x support	Powerful data security
MAC address filtering in AP mode	Ensures secure network connection
User isolation support (AP mode)	Protect the private network between client users.
PPPoE function support (CR mode)	Easy to access internet via ISP service authentication
Power-over-Ethernet (IEEE802.3af)	Flexible Access Point locations and cost savings
SNMP Remote Configuration Management	Help administrators to remotely configure or manage the Access Point easily.

*Theoretical wireless signal rate based on IEEE standard of 802.11 a, b, g chipset used. Actual throughput may vary.Network conditions and environmental factors lower actual throughput rate
** All specifications are subject to change without notice

EOC-3220EXT

Learn more about EnGenius Solutions at www.engeniustech.com.au 1300 725 323

Datasheet
EOC-3220EXT

TECHNICAL SPECIFICATION

Hardware Specification

- Physical Interface
  Wireless IEEE802.11b/g, Wireless IEEE802.11b/g,
  One 10/100 RJ-45 port, RS232 connector
- Power Requirements
  Active Ethernet (802.3af) – 48
  VDC/0.375A
- Regulation Certifications
  FCC Part 15/UL, ETSI 300/328/CE

RF Specification

- Frequency Band: 2.400～2.484 GHz
- Media Access Protocol: Carrier sense multiple access with collision avoidance (CSMA/CA)
- Modulation Technology
  Orthogonal Frequency Division Multiplexing (OFDM)
  DBPSK @ 1Mbps
  DQPSK @2Mbps
  CCK @ 5.5 & 11Mbps
  BPSK @ 6 and 9 Mbps
  QPSK @ 12 and 18 Mbps
  16-QAM @ 24 and 36 Mbps
  64-QAM @ 48 and 54 Mbps
- Operating Channels
  11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
- Receive Sensitivity (Typical)
  IEEE802.11g
  6Mbps@ -88dBm / 54Mbps@ -70dBm
  IEEE802.11b
  1Mbps@ -92dBm / 11Mbps@ -85dBm
- Available transmit power
  2.412~2.472G(IEEE802.11g)
  Up to 26dBm @ 1~24Mbps / 23dBm @ 36Mbps / 21dBm @ 48Mbps / 20dBm @ 54Mbps
  2.412~2.472G(IEEE802.11b)
  Up to 26dBm @1~11Mbps
- Antenna: 5dBi SMA antenna
- RF Connector: SMA (Fr) Type

Package Content

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One 48V, 0.375A AC/DC adapter with wall-plug power code
One 5dBi SMA antenna
One Inline Power Injector (PoE)
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Software Feature

- Operation Mode: Point-to-Point/ Point-to-Multipoint/ Bridge/ Client Bridge/ AP/ WDS
- LAN: DHCP Client/Server
- Nortwork Topology: Ad-Hoc, Infrastructure
- Data Rates
  1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
- Security
  IEEE802.1x Authenticator
  RADIUS Client (EAP-MD5/TLS/TTLS) Support in AP Mode
  WPA /WPA2
  MAC address filtering
  Hide SSID in beacons, User isolation
  NAT in CR mode

Management

- Configuration
  Web-based configuration (HTTP)/Telnet
- Firmware Upgrade
  Upgrade firmware via web-browser
- SNMP V1, V2c

Environment & Physical

- Temperature Range
  Operating: 0°C to 65°C (32°F to 149°F)
  Storage: -20°C to 80°C (-4°F to 176°F)
- Humidity(non-condensing): 5%～95% typical
- Weight: 1.2 Kg (2.6 lbs)
- Dimensions: 163.8(L)mm*135.2(W)mm*47.0(H)mm

Contact

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